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KINASE 12345

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Aurora-A kinase complexed with AMPPNP

Characteristics

Release Date: 31-Jul-2007 Exp. M

Resolution: 2.50 Å Transferase

Classification Compound

Molecule: Serine/threonine-proteir Polymer: 1 Type: polypeptide

Chains:

EC# : 2.7.11.1 🔘 Fragment: kinase domain

Authors Kukimoto-Niino, M., Murayam

Yokoyama, S. , RIKEN Structur Genomics/ Proteomics Initiative

7 10L6

STRUCTURE OF UNPHOSPHORYLATED D274N MUT

Release Date: 30-Oct-2003 Exp. N Characteristics Resolution: 3.00 Å

Classification

Kinase Compound

SERINE/THREONINE KIN Molecule: Polymer: 1 Type: polypeptide

Chains:

EC#: 2.7.1.37 🚳

Fragment: CATALYTIC DOMAIN, RE

Mutation: YES

Authors Bayliss, R. . Conti, E.

STRUCTURE OF AURORA-2 IN COMPLEX WITH PHI

Characteristics

Authors

Release Date: 06-Nov-2006 Exp. I Resolution: 2.00 Å

Classification Transferase Compound

Molecule: SERINE THREONINE-PRI Polymer: 1 Type: polypeptide

A, B Chains:

2.7.1.37 🕲 2.7.11.1 🖁 EC#:

Fragment: CATALYTIC DOMAIN, RE Cameron, A.D. , Izzo, G. , St.

L., Fancelli, D., Varasi, M. S., Forte, B., Severino, D.

Vianello, P.



STRUCTURE OF AURORA-2 IN COMPLEX WITH PHA

Characteristics

Release Date: 06-Nov-2006 Exp. I

Resolution: 3.00 Å Transferase

Classification Compound

Molecule: SERINE/THREONINE

Polymer: 1 Type: Chains: A. B

2.7.11.1 🚳 EC#:

CATALYTIC DOMAIN. Fragment: USING MASS SPECTI Other Details:

WAS SEEN TO BE PA PHOSPHORYLATED E WERE SEEN IN THE

polyper

Authors Cameron, A.D. , Izzo, G. , St.

L., Fancelli, D., Varasi, M. S., Forte, B., Severino, D.

Vianello, P.



STRUCTURE DETERMINATION OF AURORA KINASI INHIBITOR

Characteristics Classification

Release Date: 27-Jan-2009 Exp. N

Resolution: 2.60 Å Transferase

Molecule: JAK2

Polymer: 1 Type: polypeptide

A, B Chains: 2.7.10.2 E0#:

Fragment: KINASE DOMAIN, RESID

Authors

Compound

Howard, S. . Berdini, V. , Box M.G. , Cross, D.M. , Curry, J. Early, T.R. , Fazal, L. , Gill, A Maman, S. Matthews, J.E. , Navarro, E.F. , O'Brien, M.A. D.C., Reule, M., Tisi, D.,

Vinkovic, M., Wyatt, P.G.





Crystal Structure of Aurora-A Protein Kinase

Characteristics

Release Date: 16-Sep-2003 Exp. f

Resolution: 1.90 Å Transferase

Classification

Compound

Molecule: AURORA-RELATED KINA Polymer: 1 Type: polypeptide

Chains: Α E0# : 2.7.-.-Fragment: kinase domain

Authors

Nowakowski, J., Cronin, C.N. Knuth, M.W., Nelson, C., Pa Rodgers, J., Sang, B.-C., Sc Swanson, R.V., Thompson, D.,

M 10L5

STRUCTURE OF AURORA-A 122-403, PHOSPHORYI THR288 AND BOUND TO TPX2 1-43

Characteristics

Release Date: 30-Oct-2003 Exp. N

Resolution: 2.50 Å

Classification Transferase/ cell Cycle Compound

SERINE/THREONINE Molecule: Polymer: 1 Type: polyper



Chains: A

EC#: 2.7.1.37 👹

Fragmeni: CATALYTIC DOMAIN Other Details: PHOSPHORYLATED C

Molecule: RESTRICTED EXPRES

ASSOCIATED PROTE

Polymer: 2 Type: polyper

Chains: B

Fragment: N-TERMINAL, RESID

Authors Bayliss, R., Conti, E.



Crystal structure of mouse Aurora A (Asn186-> Gi) > Leu) in complex with 1-{5-[2-(thieno[3,2-d]pyriethyl]-thiazoi-2-yi}-3-(3-trifluoromethyl-phenyi)



Release Date: 26-Aug-2008 Exp. I

Resolution: 1.90 Å

Classification Compound Transferase

Molecule: serine/threonine kinase Polymer: 1 Type: polypeptide

Chains: A

EC#: 2.7.11.1 👹

Fragment: Aurora A kinase domain Mutation: N186G, K240R, M302L

Authors

Elling, R.A., Baskaran, S., A J.D., Romanowski, M.J.



Crystal structure of mouse Aurora A (Asn186-> Gi₁ > Leu) in complex with 1-(3-chloro-phenyi)-3-(5-| pyrimidin-4-ylamino)- ethyl]-thiazol-2-yl}-urea [5



Release Date: 12-May-2009 Exp. I

Resolution: 2.30 Å

Classification Compound

Authors

Transferase

Molecule: serine/threonine kinase Polymer: 1 Type: polypeptide

Chains: A EC#: 2.7

2.7.11.1 🕮

Fragment: Aurora-A kinase domain Mutation: N186G, K240R, M302L Elling, R.A., Bui, M., Allen, I

Romanowski, M.J.

M 3DJ7

Crystal structure of the mouse Aurora-A catalytic : Lys240-> Arg, Met302-> Leu) in complex with Com



Characteristics

Release Date: 05-May-2009 Exp. I

Resolution: 2.80 Å

Classification Compound

cation Transferase

Molecule: serine/threonine kinase Polymer: 1 Type: polypeptide

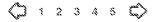
Chains: A

EC#: 2.7.11.1 🌑

Fragment: Aurora A kinase domain, Mutation: N186G, K240R, M302L

Authors

Elling, R.A., Yang, W., Erlar B.T., Hansen, S.K., Romano





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